



Overview






- Contract update
- Snap-shot of 2011 Quarter 03 data
- Phase II Interim Measure
- Path Forward



PBC Update

Overall Project Performance Objective:

Achieve Remedy In Place (RIP) for SMWU's ST-106 and SS-111

	Interim Performance Milestone	Status
	Investigation of Groundwater	Well installation complete – 30 August 2011
	Investigation of Vadose Zone	Well installation complete – 29 July 2011
	Vadose Zone Phase I Interim Measure	30 June 2012
	LNAPL Containment	Well installation started – 1 December 2011
	Phase II Interim Measures	July 2012
	Corrective Measures Evaluation	September 2014



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Shallow Wells

July-September 2011

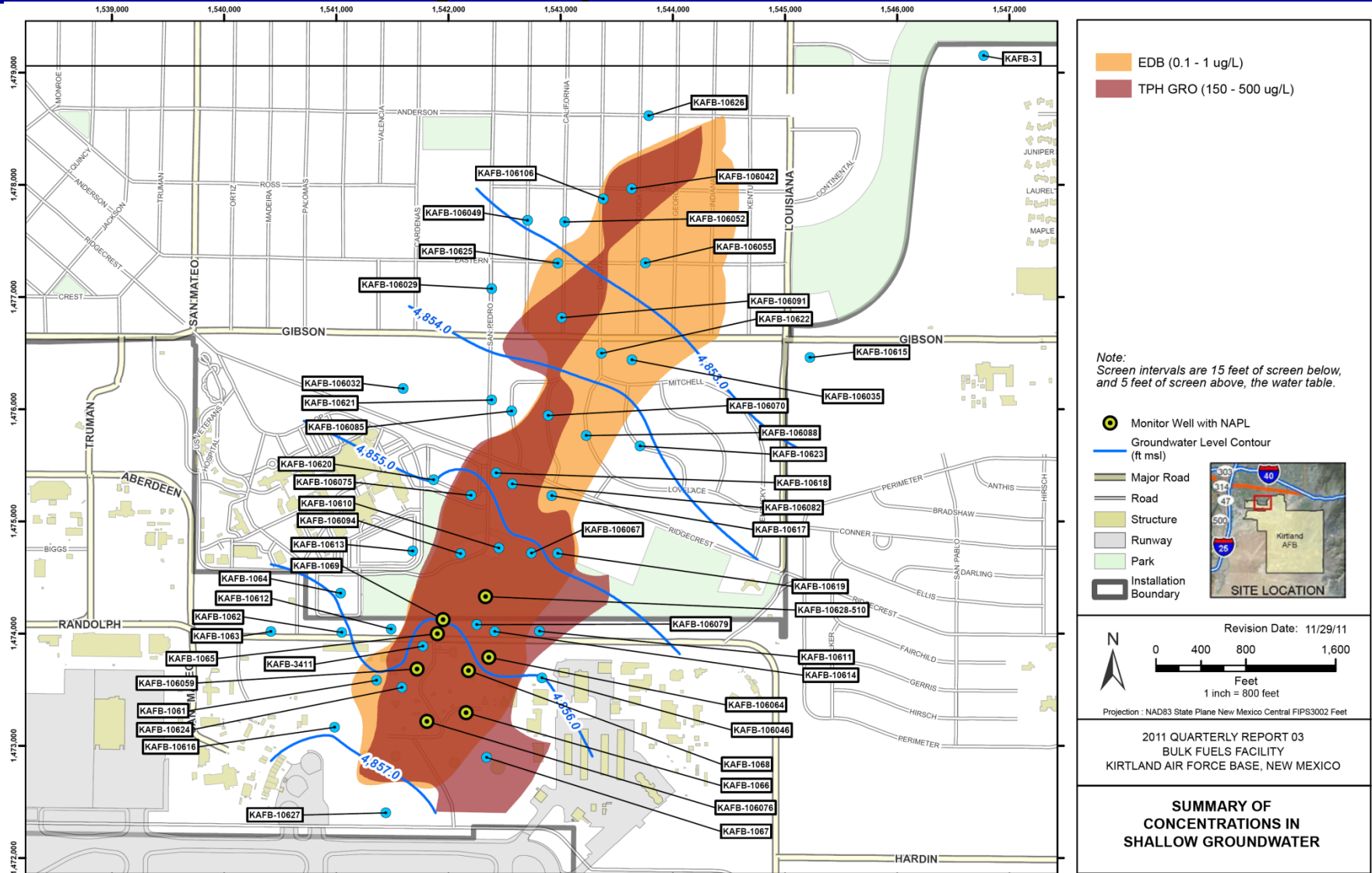


Tiger Heritage – Aggressive Spirit



Shallow Wells

July-September 2011

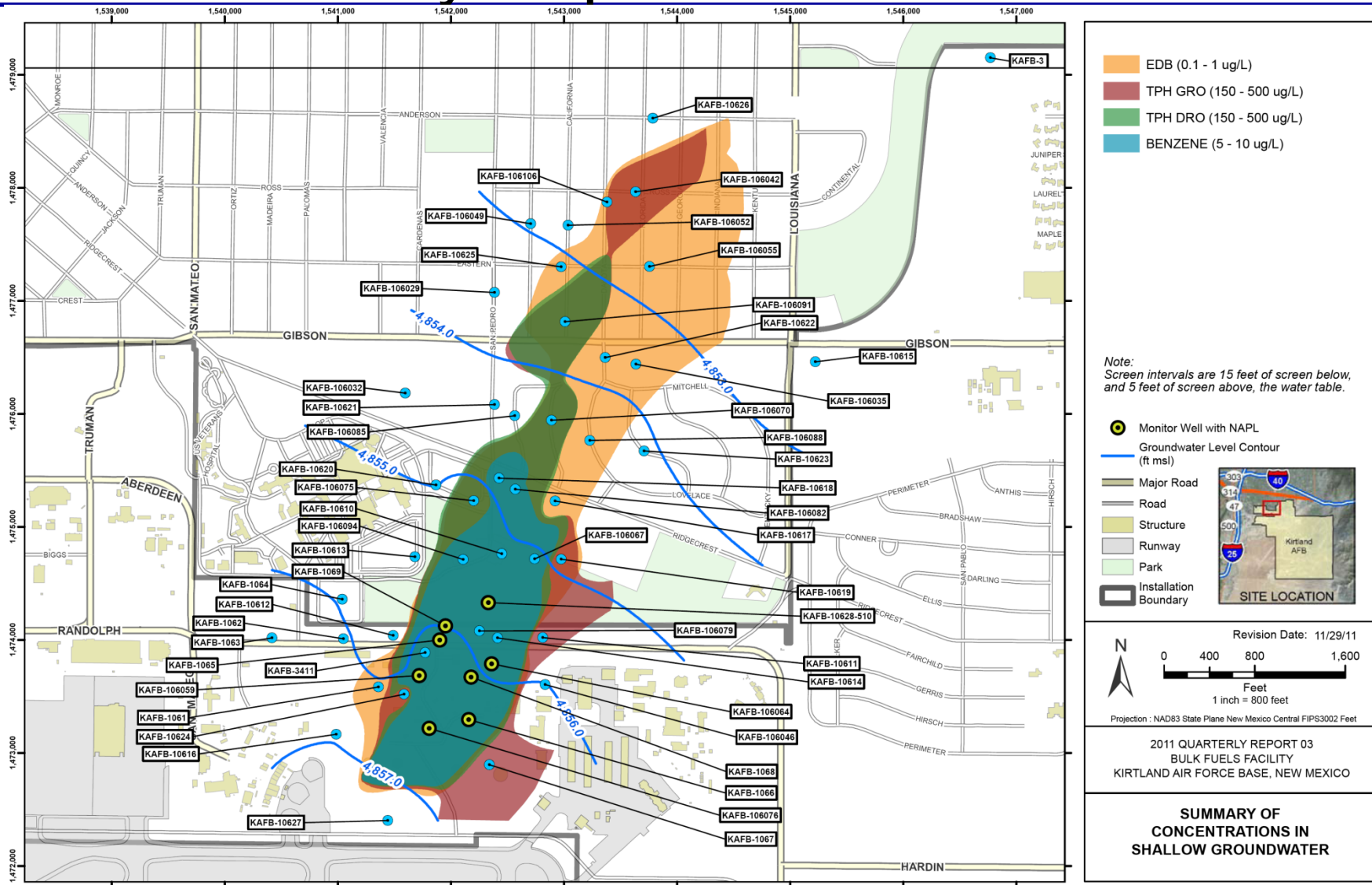


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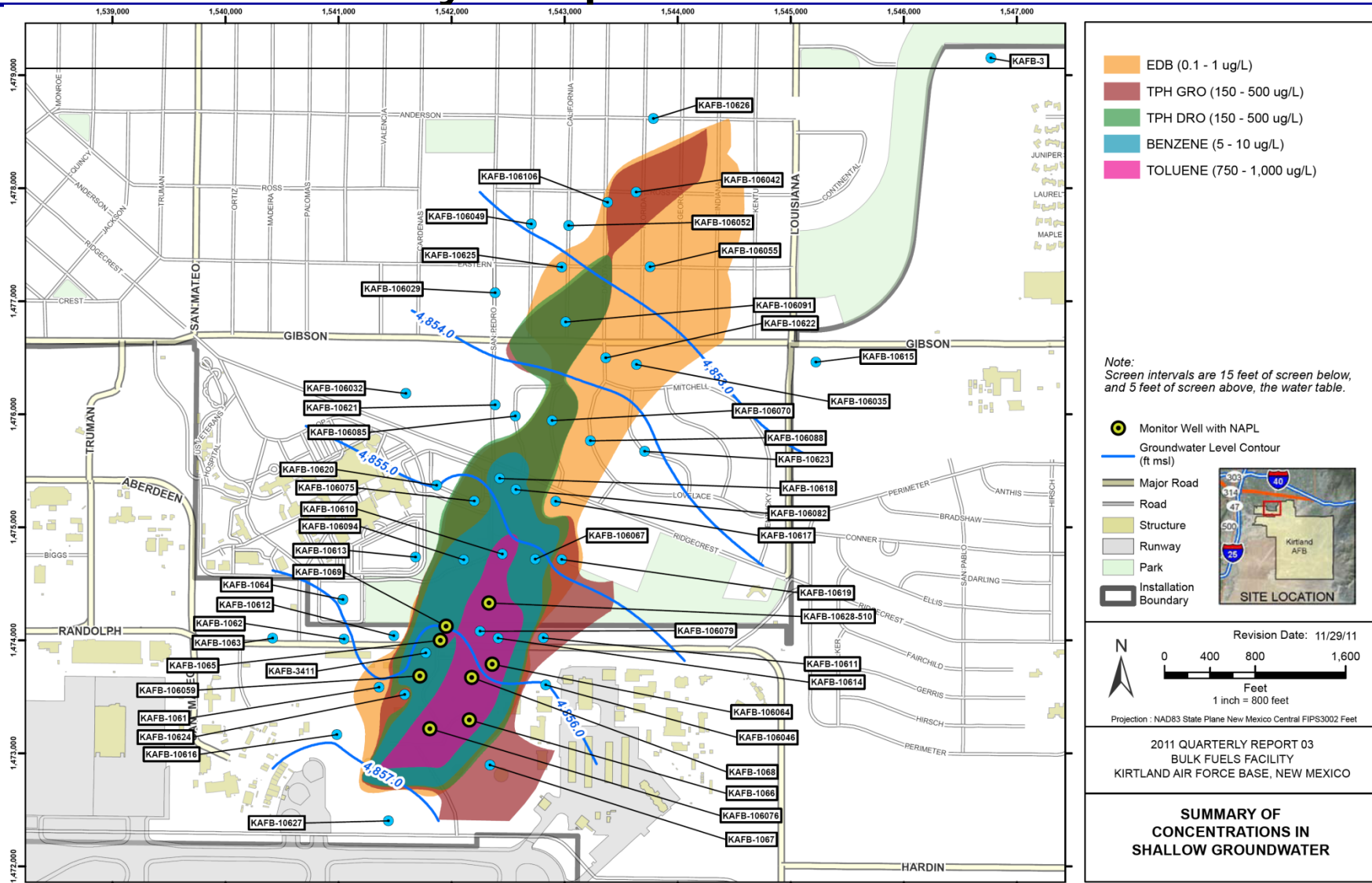


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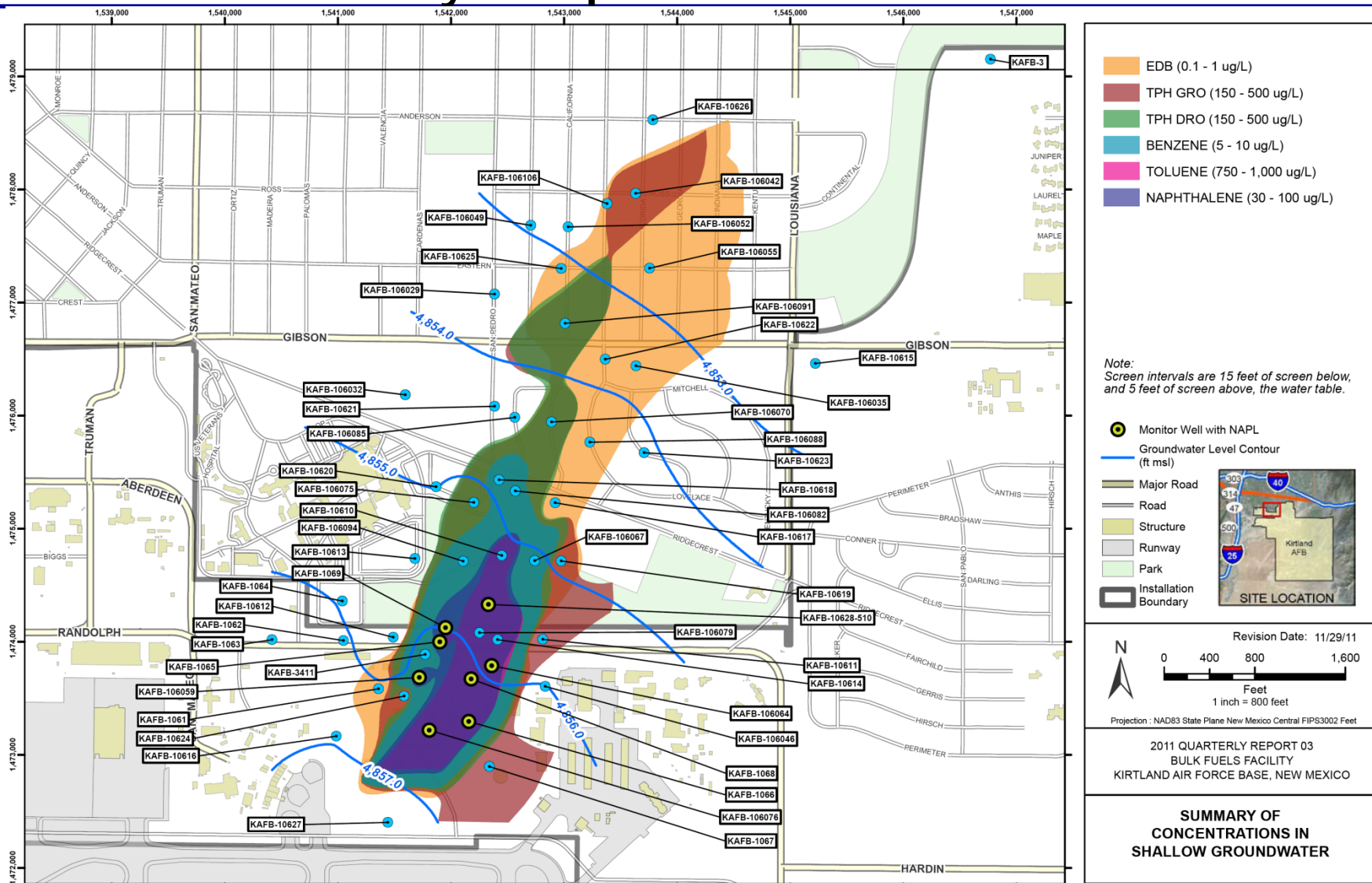


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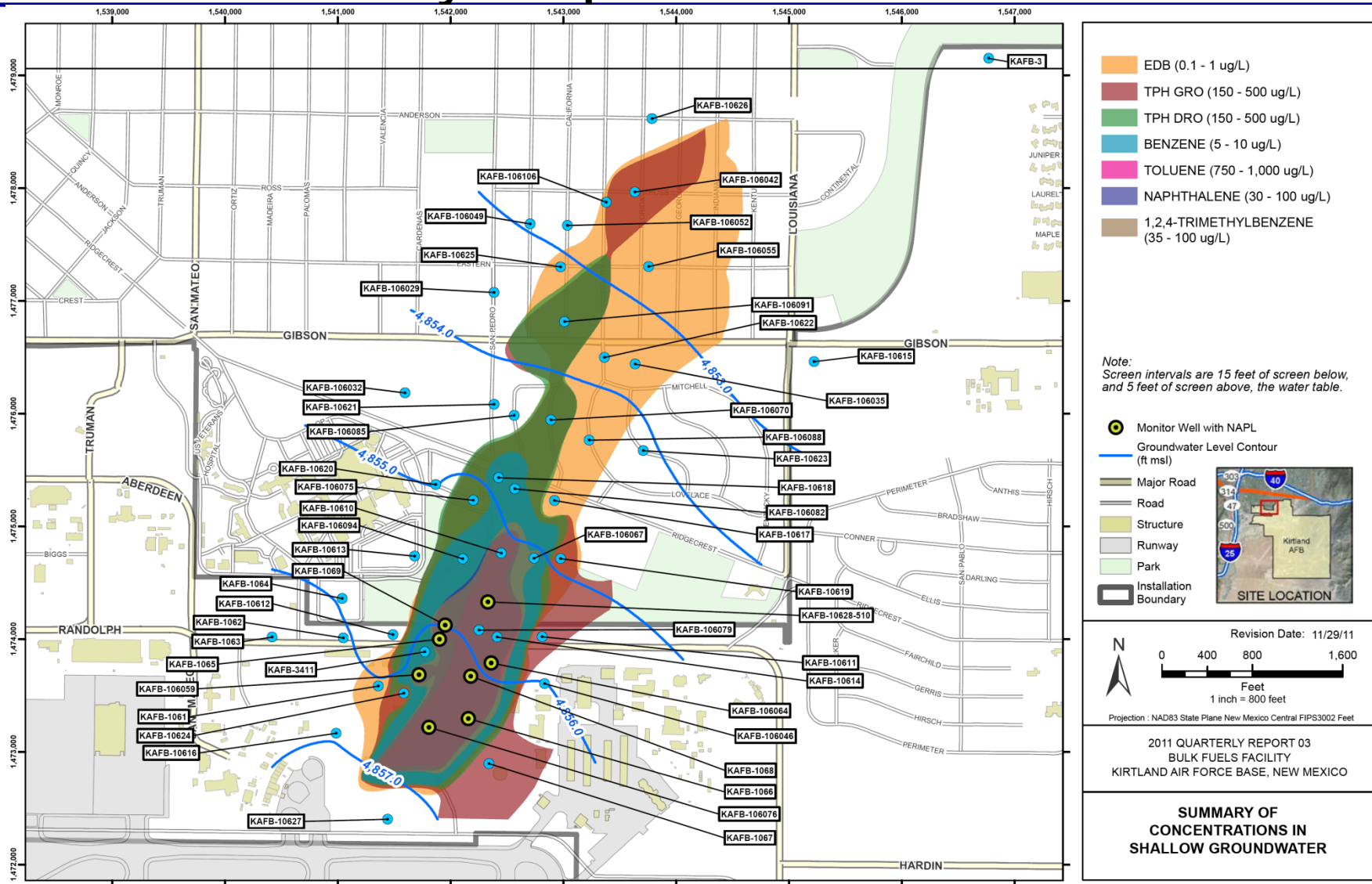


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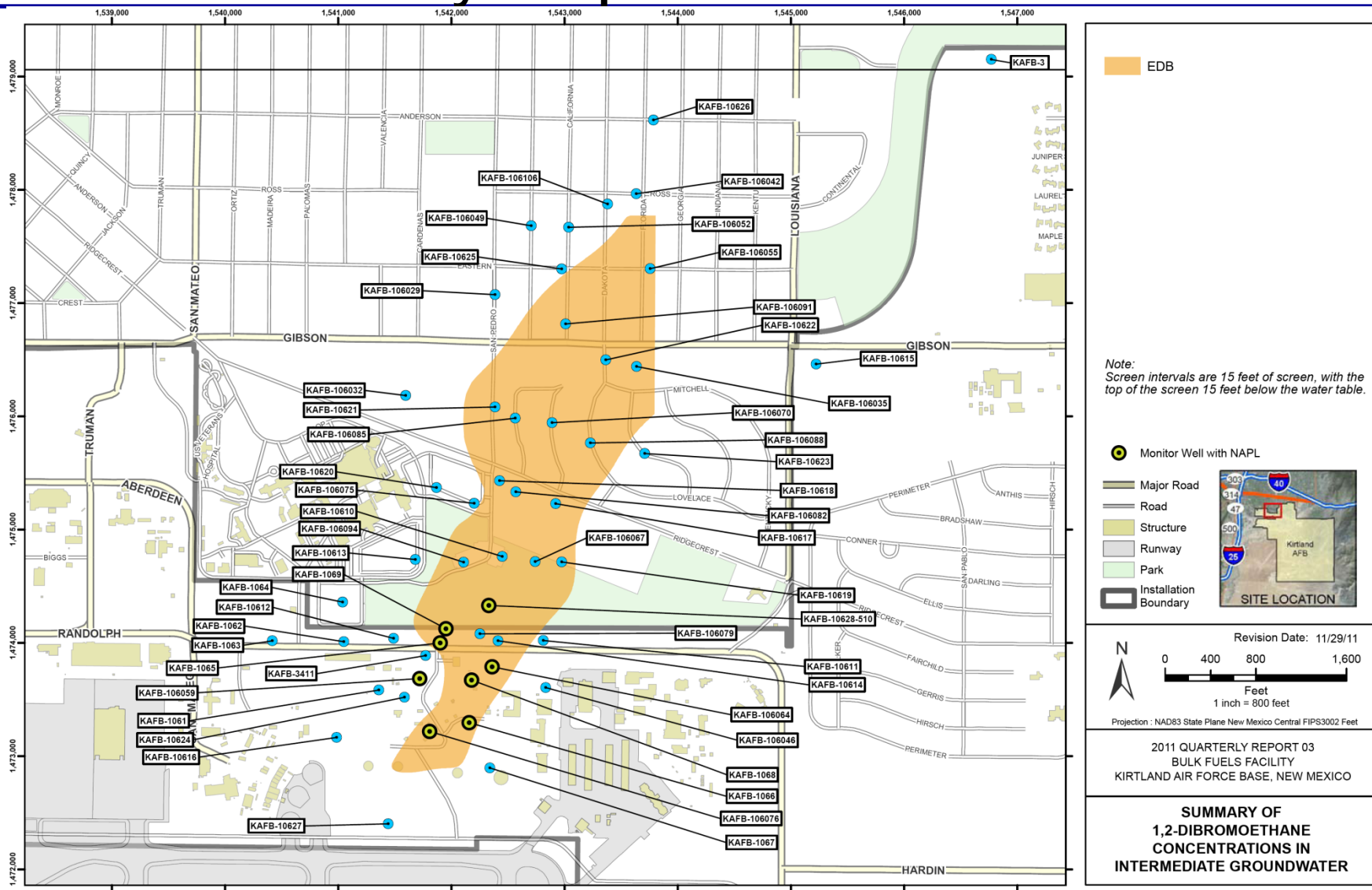


Shallow Wells

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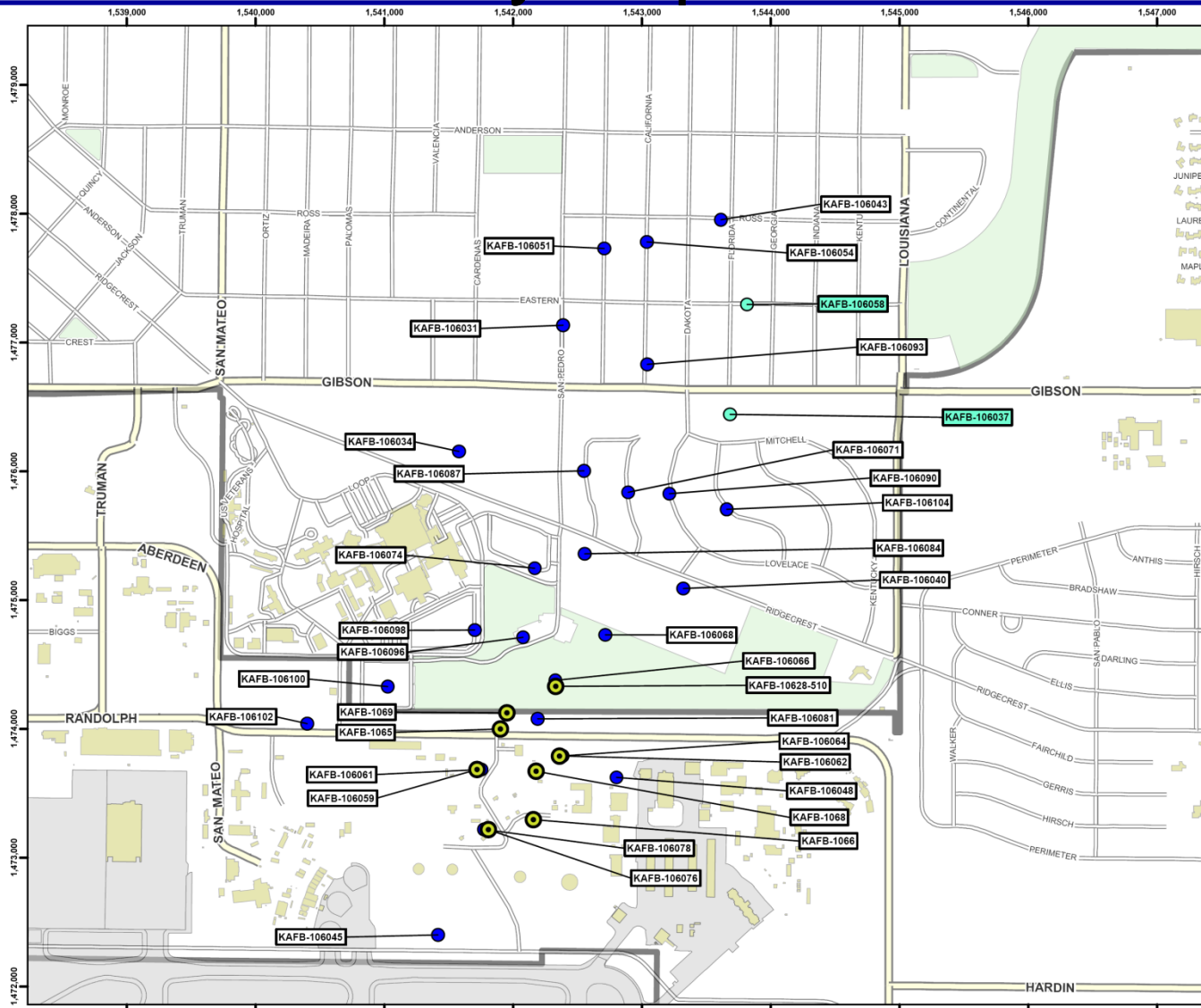


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Deep Wells (EDB)

July-September 2011



1,2-Dibromoethane

EDB Result (ug/L)

- 0.028 - 0.050
- 0.050 - 0.10
- 0.10 - 0.71

Note:
Screen intervals are 40 or 85 feet below the water table, with 15 feet of screen.

● Monitor Well with NAPL

- Major Road
- Road
- Structure
- Runway
- Park
- Installation Boundary



Revision Date: 11/29/11
0 400 800 1,600
Feet
1 inch = 800 feet

Projection: NAD83 State Plane New Mexico Central FIPS3002 Feet

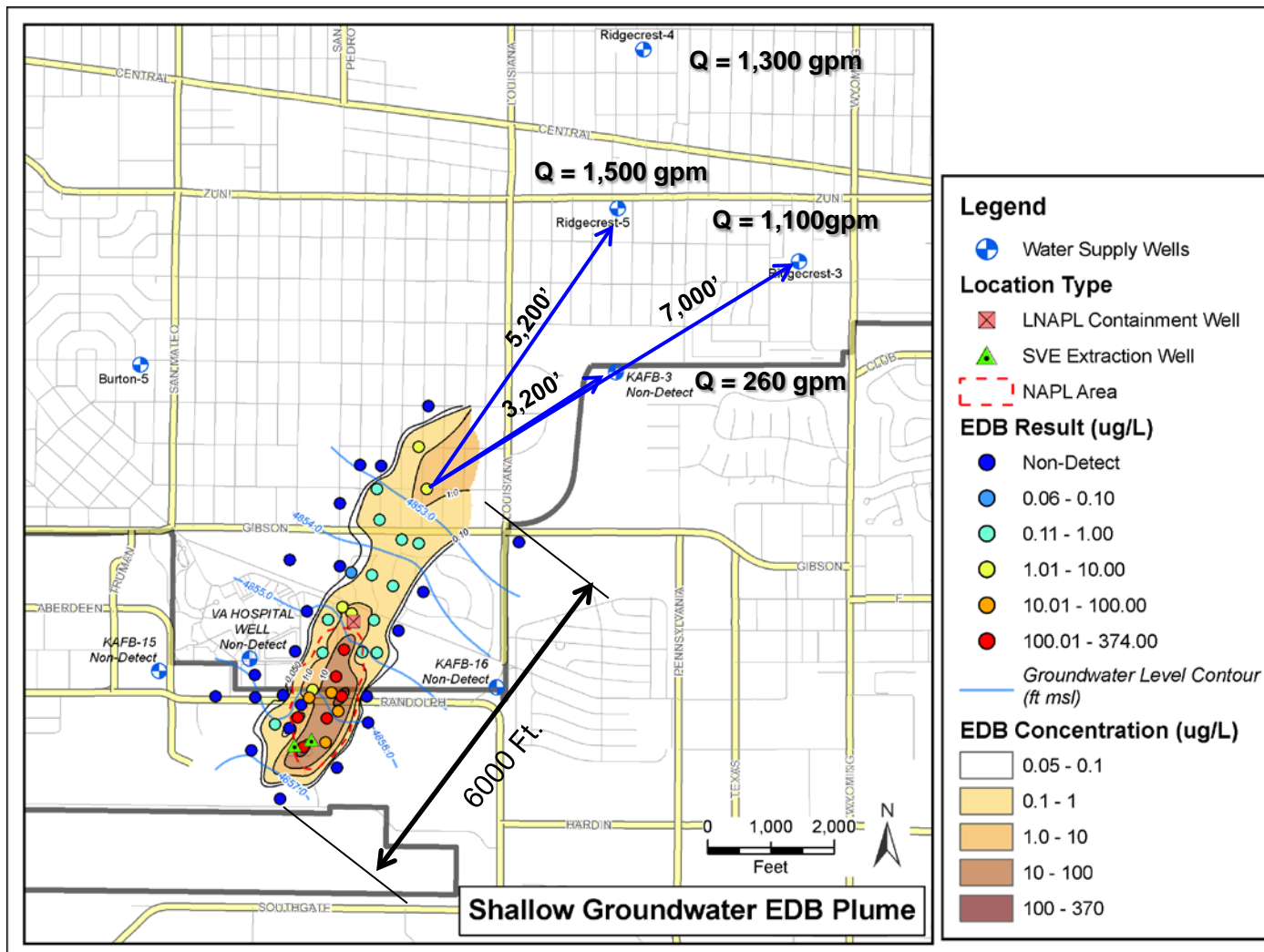
2011 QUARTERLY REPORT 03
BULK FUELS FACILITY
KIRTLAND AIR FORCE BASE, NEW MEXICO

SUMMARY OF
1,2-DIBROMOETHANE
CONCENTRATIONS IN
DEEP GROUNDWATER

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Shallow Wells (EDB) July-September 2011





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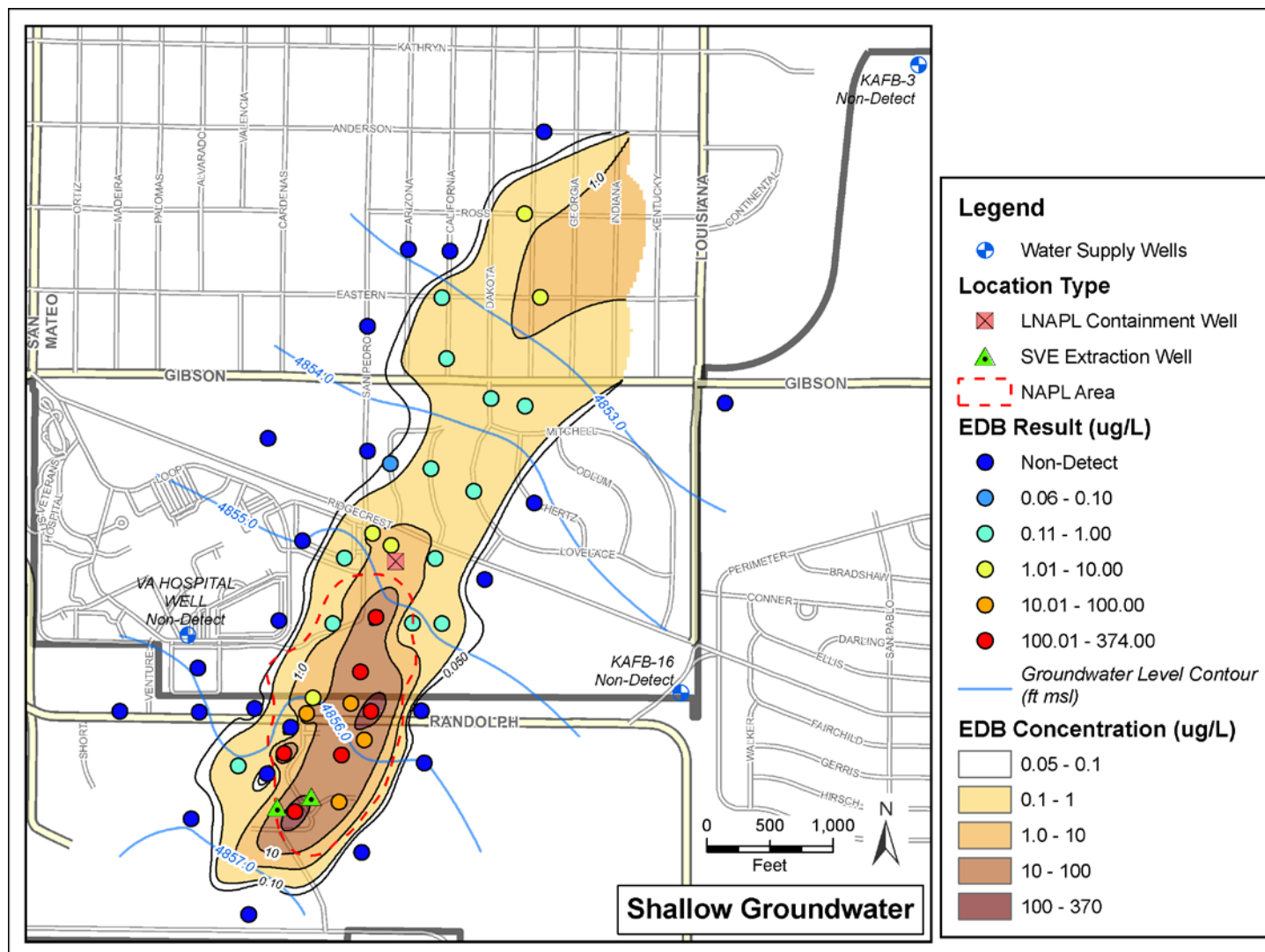
Phase II Interim Measure



- Design and installation of a network of SVE wells and treatment system to address vadose zone source area
- Collaborative approach with NMED Tiger Team and KAFB to reach agreement on well design and locations
- Fast-track design/build approach through letter work plan addendums to previously approved work plans
- Accelerated next step of treatment of the LNAPL and soil vapor plume by approximately 6 months
- Will continue collecting and evaluating data to determine need/location of additional SVE systems – iterative approach

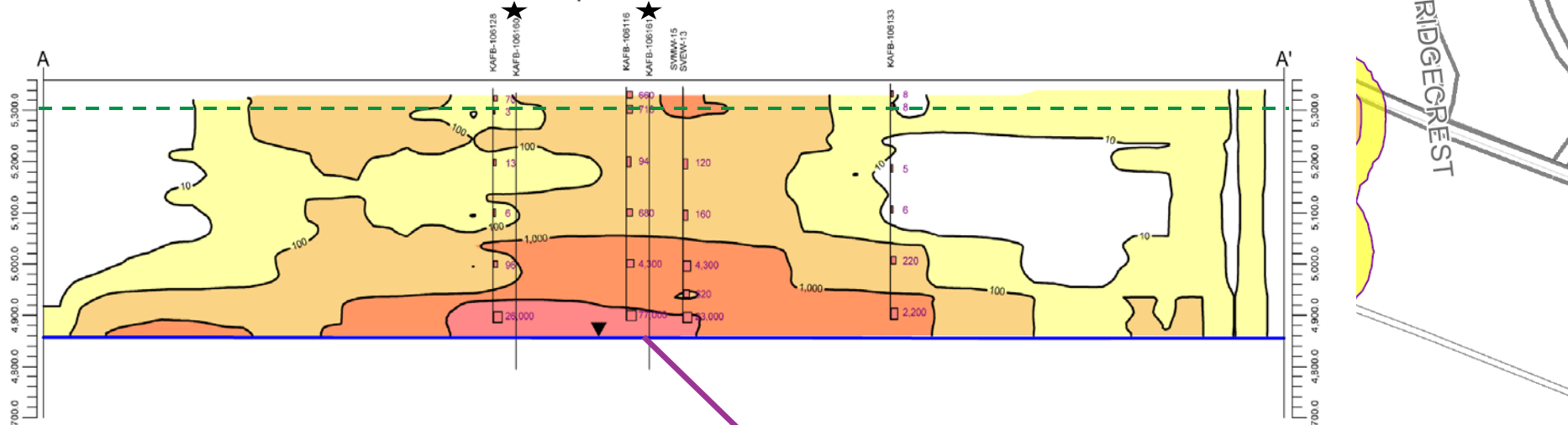


Phase II Interim Measure



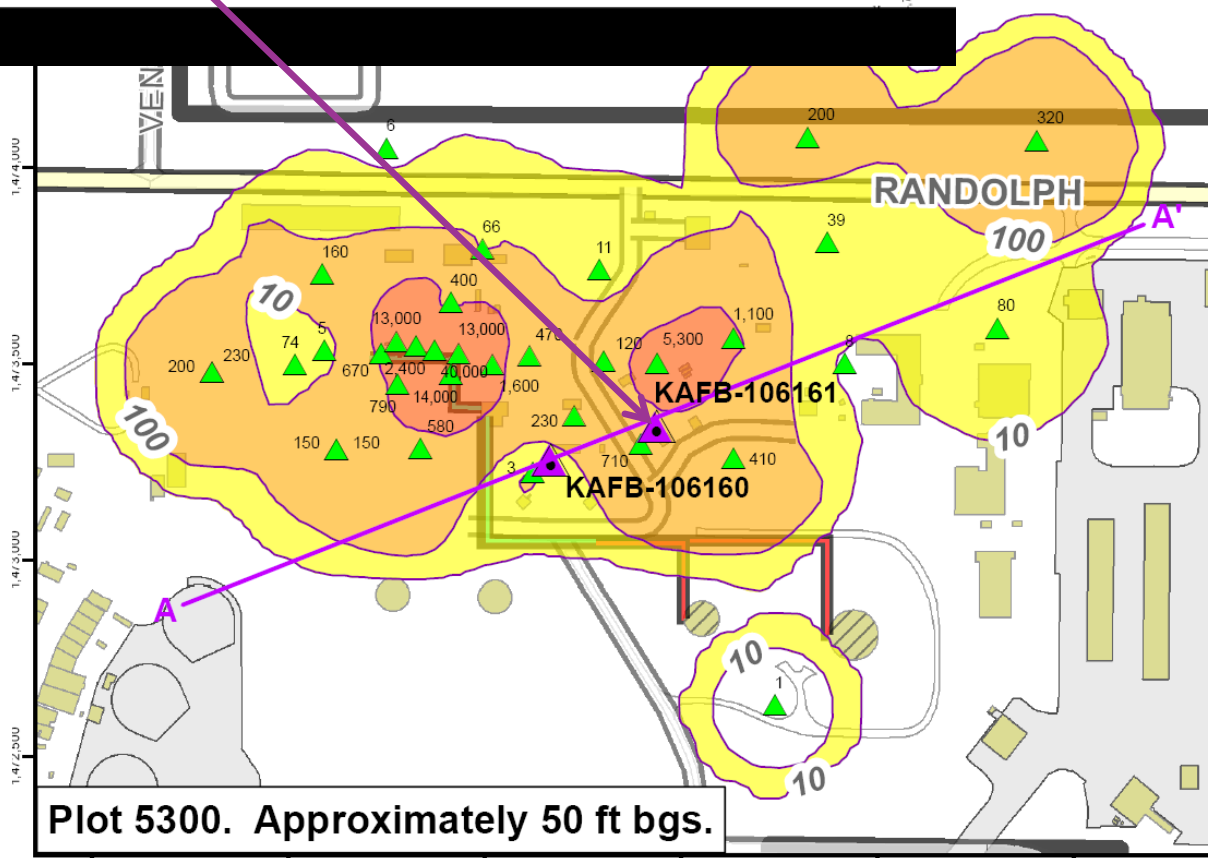
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VOC Vapor Cross-Section A-A'

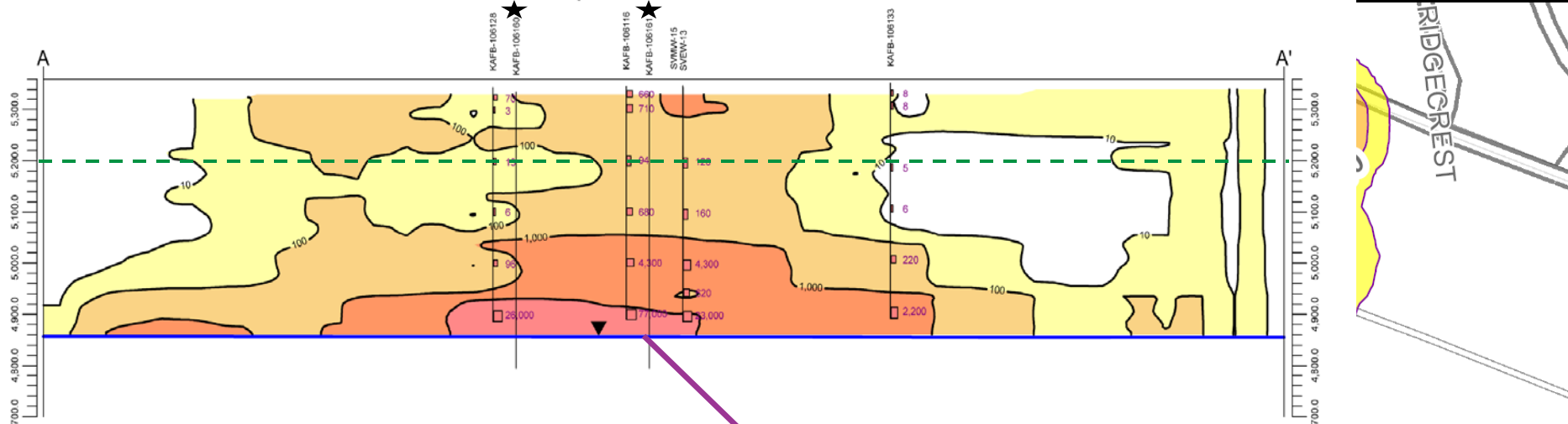


Legend

- ▲ Proposed SVE well
 - ▲ SVE Well with Vapor VOC Concentration (ppmv)
 - Cross-Section Line
 - VOC Concentration Contour (ppmv)
- VOC Concentration (ppmv)
- 10 - 99
 - 100 - 999
 - 1,000 - 9,999
 - ≥ 10,000
- Installation Boundary
 - Aboveground Fuel Transfer Lines
 - Underground Fuel Transfer Lines
 - Highway
 - Major Road
 - Road
 - Structure
 - Runway

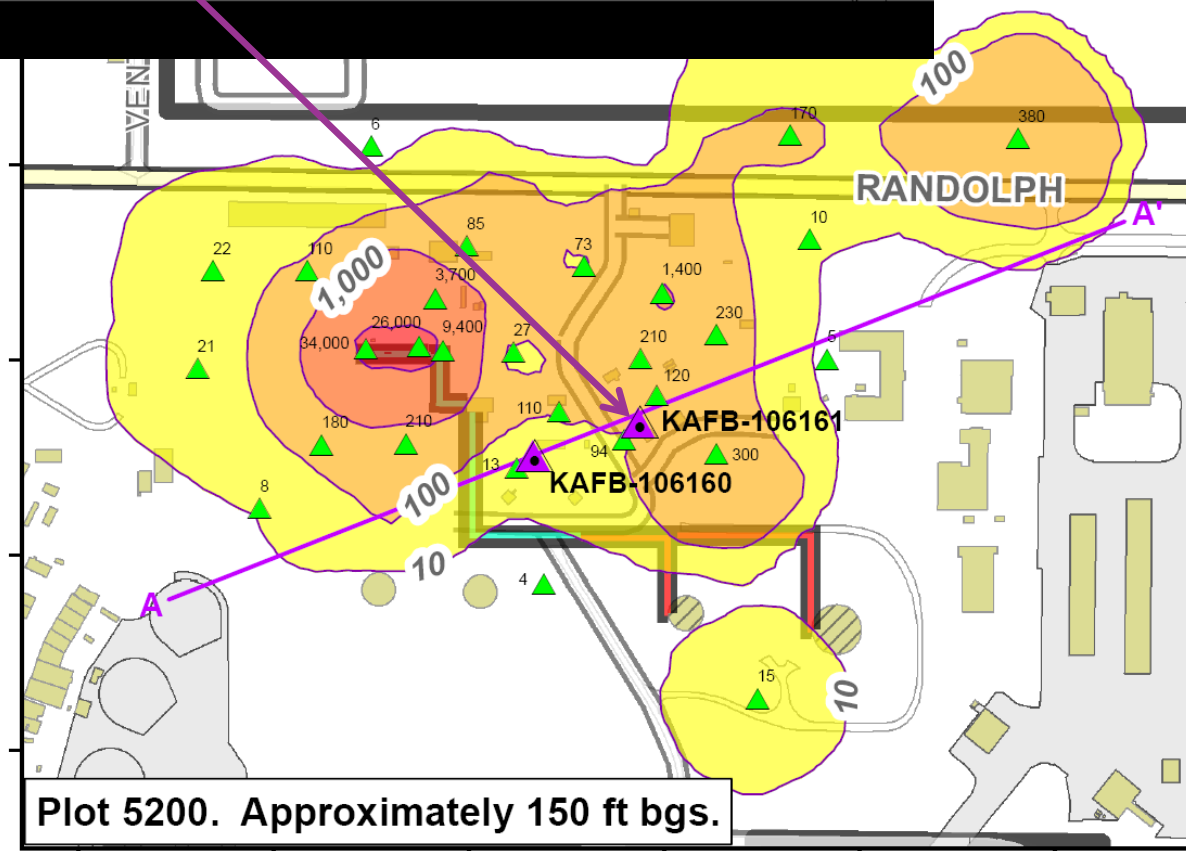


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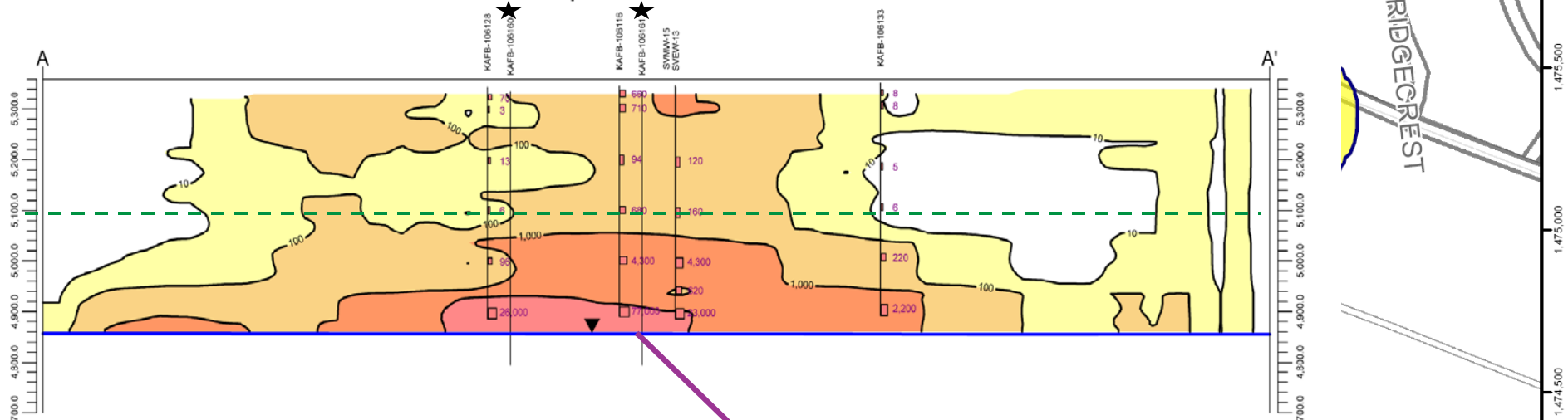


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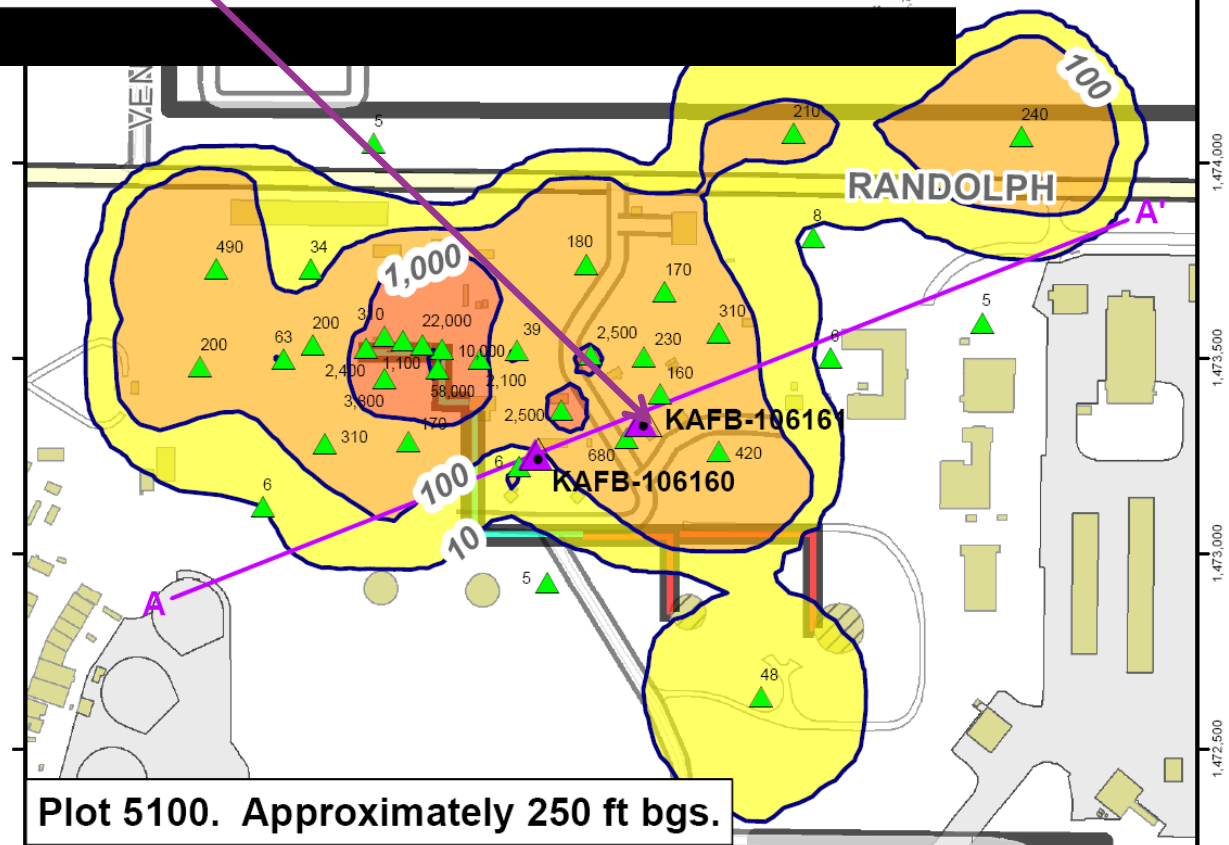


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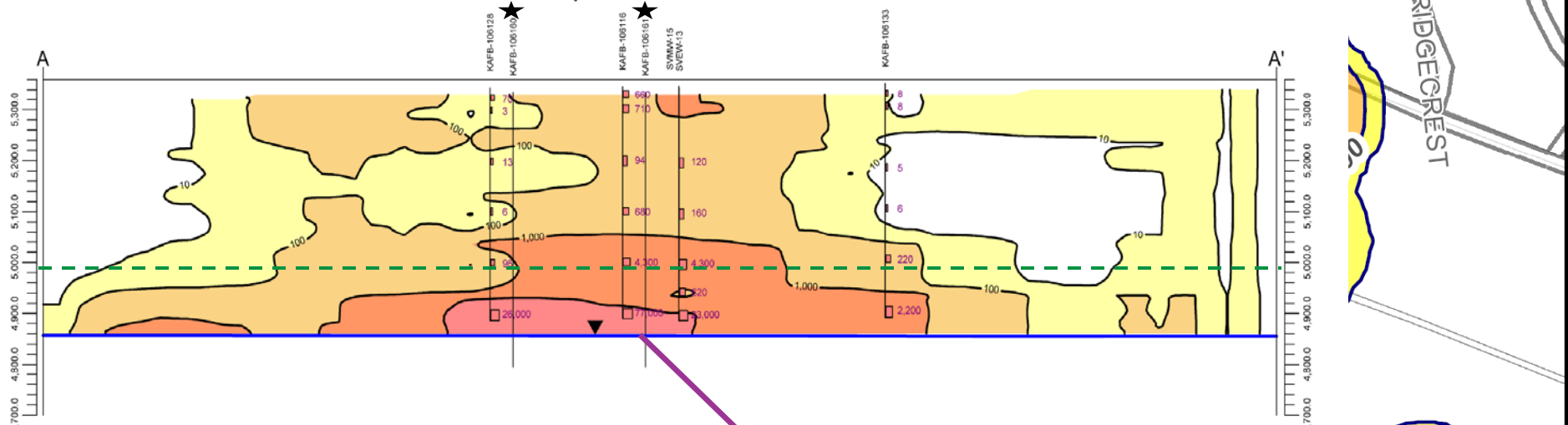


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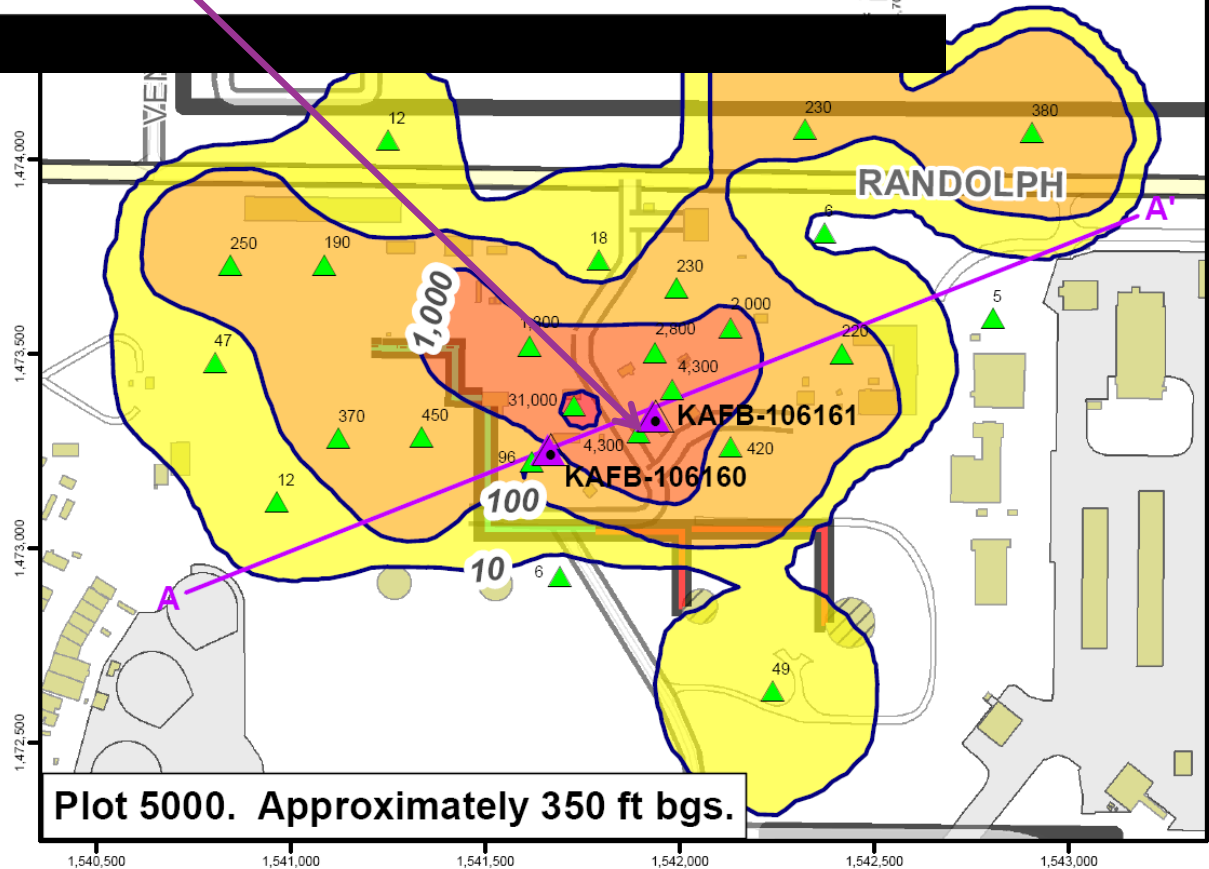


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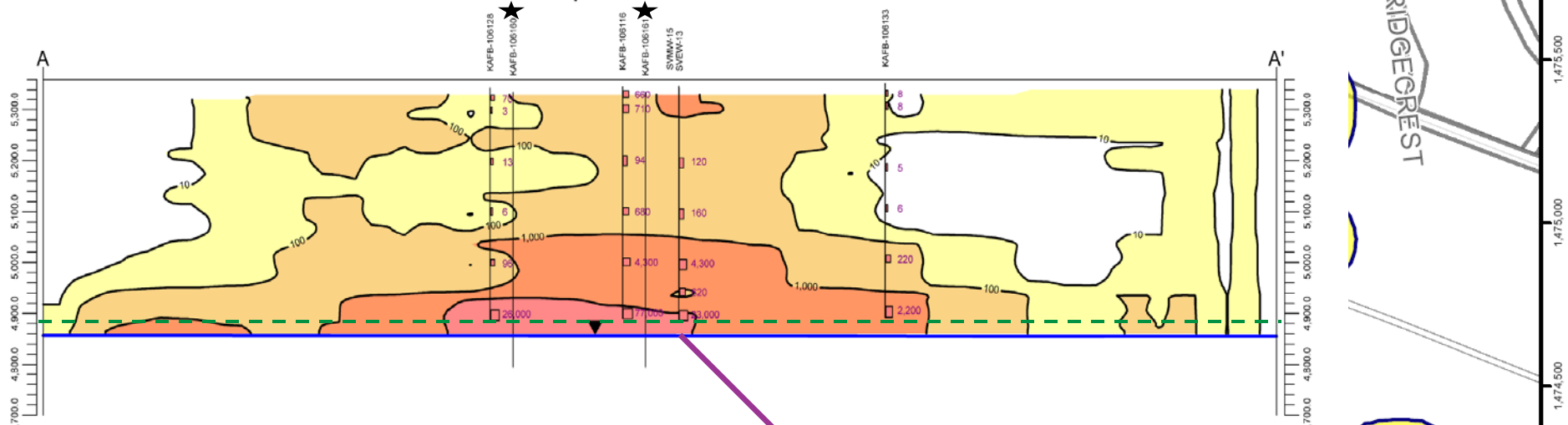
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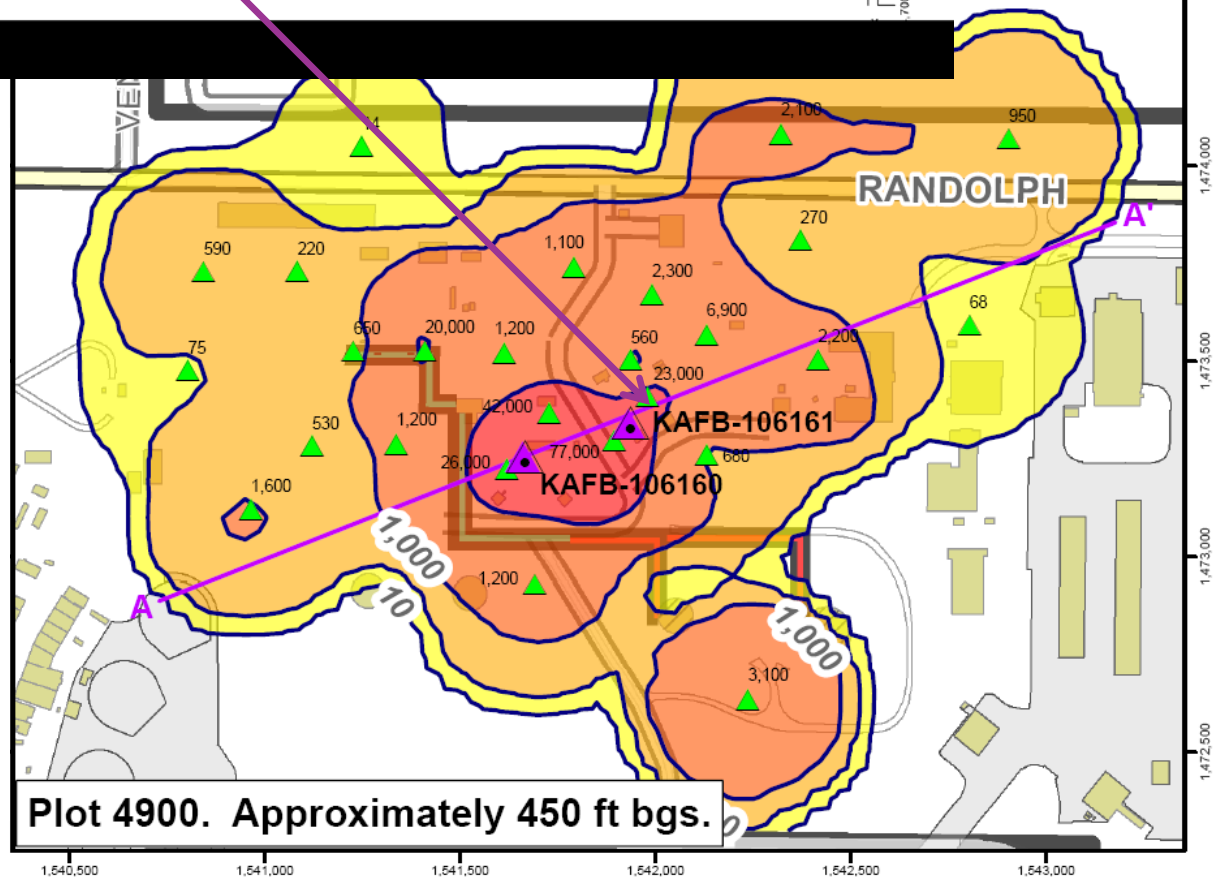
Plot 5000. Approximately 350 ft bgs.

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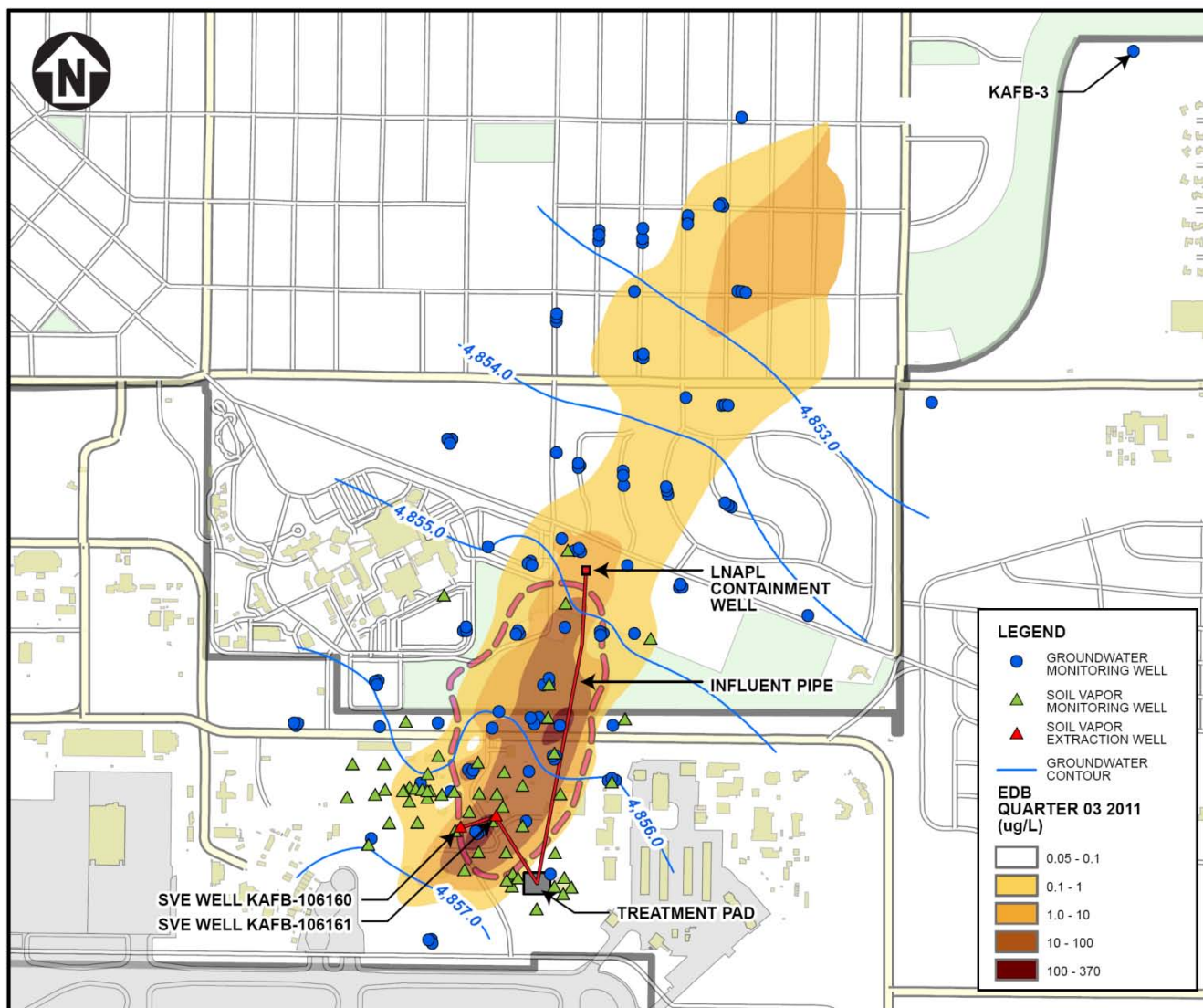
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Big Picture



Tiger Heritage – Aggressive Spirit



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Path Forward



	Estimated/Actual Start Date	Notes on Schedule
LNAPL Containment Well installation	1 December 2011	
LNAPL Treatment System installation	Spring 2012	Pending submittal and approval of system design to the NMED (February 2012)
SVE Well installation (Phase II IM)	January 2012	Pending approval of letter addendum
SVE Unit Installation	Spring 2012	Design is in progress; pending approval of letter addendum
Soil Excavation at FFOR	Spring 2012	Pending completion of sampling